

ABSTRACT

An electron beam device according to the present invention is made up of an electron beam source for emitting an electron beam, an electron optical  
5 system for irradiating the electron beam onto a specimen, a specimen holder for holding the specimen, a specimen tilting section for producing relative tilt angles between the specimen holder and the electron beam, an electron beam  
detecting section for detecting electron beam emitted from the specimen, and  
10 a data correcting section for correcting the three-dimensional detection data to have specified relationship under the condition of a relative tilt angle between the specimen holder and the electron beam.